



# 3144 PRIMARY JAW PLANT



PLANT FEATURES	
<b>PLANT CONFIGURATION</b>	Diesel / Hydraulic
<b>AXLE CONFIGURATION</b>	Equalized Triple Axle w/Tandem Stinger
<b>TIRES</b>	(20) 11:00 x 22.5 Dual Mounted w/Air Brakes
<b>BULKHEAD</b>	Hydraulic Raise and Lower - Both Sides
<b>DIESEL ENGINE</b>	Caterpillar C13 415 HP w/Trans-fluid Hydraulic Clutch
<b>FUEL TANK</b>	Dual 180 Gallon
<b>DELIVERY CONVEYOR</b>	42 in. Wide - Hydraulically Driven w/Impact Bed
<b>DISCHARGE HEIGHT</b>	16 ft.
<b>BELTING</b>	(3) Ply, 330 PIW, 1/4 in. Top, 1/8 in. Bottom, Grade 1 Rubber
<b>GROUND SUPPORTS</b>	Hydraulic w/Pontoon Bases
<b>PLATFORMS</b>	Operator and Diesel Observation
<b>DUST SUPPRESSION</b>	Complete w/Manifold, Filtration, and On-Plant Shutoff

JAW FEATURES	
<b>SIZE</b>	31 in. x 44 in Vanguard
<b>BASE</b>	Welded Fabrication
<b>TYPE</b>	Overhead Eccentric
<b>BEARINGS</b>	Spherical Self-Aligning Roller
<b>LUBRICATION</b>	Grease
<b>ADJUSTMENT</b>	Hydraulic Dual Wedge
<b>DRIVE FLYWHEEL</b>	63 in. Diameter - 10-5V Drive / 50 in. Flat
<b>SIDE LINERS</b>	Bolted - 3 Piece
<b>JAW DIE RETENTION</b>	Bolted
<b>JAW DIES</b>	Reversible Manganese
<b>JAW TOE</b>	Replaceable Retention Tip
<b>JAW DIE LENGTH</b>	Stationary - 62 in Moveable - 65 in.
<b>STROKE</b>	1 1/2 in.

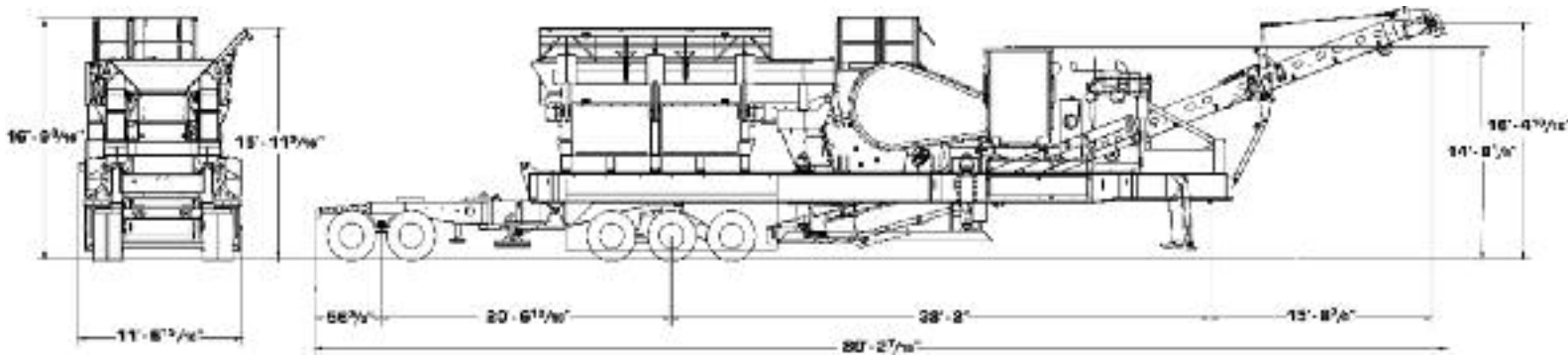
CAPACITIES	
<b>42 IN. FEEDER</b>	700 rpm = 473 tph 750 rpm = 507 tph 800 rpm = 541 tph 850 rpm = 575 tph 900 rpm = 609 tph 950 rpm = 642 tph
<b>GRIZZLY FEEDER</b>	At 3.5 in. nom. = 275-367 tph At 4 in. nom. = 315-420 tph At 4.5 in. nom. = 354-472 tph At 5 in. nom. = 393-525 tph At 5.5 in. nom. = 433-577 tph At 6 in. nom. = 472-630 tph
<b>JAW CRUSHER</b>	At 3 in. css = 212 tph At 3.5 in. css = 240 tph At 4 in. css = 267 tph At 5 in. css = 320 tph At 6 in. css = 373 tph At 7 in. css = 426 tph

\*Capacities based on material weighing 2,700 lbs. / cu. ft.

FEEDER SPECS
42 in. x 20 ft. horizontal vibrating grizzly feeder
6 ft. long adjustable tapered grizzly bars
14 ft. long heavy duty pan section
1 in. thick deck plate
3/4 in. thick AR steel pan liners
Heavy duty spring suspension
110mm feeder bearings

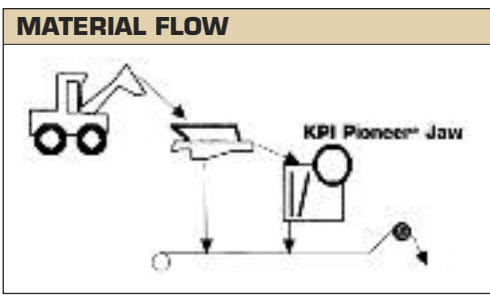


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GRADATION - OPEN CIRCUIT															
Test Sieve Sizes (in.)	APPROXIMATE GRADATIONS AT PEAK TO PEAK CLOSED SIDE SETTINGS												Test Sieve Sizes (in.)		
	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	3 1/2"	4"	5"	6"	7"		8"	
	19 mm	25.4 mm	31.8 mm	38.1 mm	50.8 mm	63.5 mm	76.2 mm	89.1 mm	102 mm	127 mm	152 mm	178 mm	203 mm		
12"											100	98	95	305	
10"										100	97	95	90	254	
8"									100	96	92	85	75	203	
7"			Values Are Percent Passing						100	97	92	85	76	65	178
6"							100	98	93	85	74	65	53	152	
5"						100	97	95	85	73	62	52	40	127	
4"					100	96	90	85	70	56	45	38	28	102	
3"				100	93	85	75	65	50	38	32	27	23	76.2	
2 1/2"			100	95	85	73	62	52	38	31	24	22	17	63.5	
2"		100	96	85	70	55	47	39	28	24	20	17	13	50.8	
1 1/2"	100	93	85	67	49	39	33	27	21	18	15	13	10	38.1	
1 1/4"	96	85	73	55	39	31	27	23	17	15	13	10	8	31.8	
1"	85	69	55	40	29	24	20	17	14	12	10	8	6	25.4	
3/4"	66	49	39	28	21	18	15	13	11	9	8	6	5	19.0	
1/2"	41	29	24	19	14	12	10	9	7	6	6	5	4	12.7	
3/8"	28	21	18	14	11	9	8	7	5	5	5	4	3	9.53	
1/4"	18	14	12	10	7	7	6	5	4	4	4	3	2	6.35	
#4	12	10	9	7	5	5	4	4	3	3	3	2	1	#4	
#8	6	6	5	5	4	4	3	3	2	2	2	1	0.5	#8	

WEIGHTS AND DIMENSIONS	
AXLE SPACING	51 in.
KINGPIN	62,400 lbs.
REAR AXLE EACH	18,135 lbs.
REAR AXLE TOTAL	54,400 lbs.
TAG	36,600 lbs.
TOTAL WEIGHT	153,400 lbs.
TRAVEL HEIGHT	14 ft. - 9 in.
TRAVEL LENGTH	63 ft. - 5 in.
TRAVEL WIDTH	11 ft. - 6 in.



NOTE: SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

KPI/JCI 3.5 PG 12/06

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